

## Claims

What is claimed is:

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A1
1. A method for providing native language query service for Internet users by using a plurality of search engines in the Internet, each of said search engines having a  
5 respective dedicated language, adapted for receiving query requests containing query words of said dedicated language and returning query results in relation to said query words, said method comprising the steps of:
- (a) receiving at a site an original of said query requests from one of said Internet users, said original query request containing said query words of native language of said  
10 user;
- (b) selecting a suitable search engine from said plurality of search engines;
- (c) translating said query words of native language into query words of dedicated language of said selected search engine;
- (d) constructing a new query request directed to said selected search engine  
15 based on said original query request and said query words of dedicated language;

(e) sending said new query request to said selected search engine and receiving a returned query result;

(f) sending said query result back to said user as a query result in relation to said original query request.

5           2. The method according to claim 1, wherein step (b) comprises the step of selecting said search engines from said plurality of designated URLs in said original query request as the selected search engine.

3. The method according to claim 2, wherein step (c) comprises the steps of:  
on the basis of said URL in said original query request, retrieving a search  
10 engine template matching said URL from a search engine template storage;  
translating said query words of native language into said query words of a dedicated language defined in said retrieved search engine.

4. The method according to claim 3, wherein step (c) further comprises the steps  
of:  
15 searching a dedicated language corresponding to said URL from history records in said site based on said URL in the event no search engine template matching said URL



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(a) receiving at a site said query request from said Internet users, said original query request containing an URL requested by said Internet users, said URL having a prefix for designating a site;

(b) removing said prefix from said URL;

5 (c) selecting a suitable search engine from said plurality of search engines;

(d) performing the following steps in the event said removed prefix is a redirect prefix;

(d1) sending a request containing said URL to said selected search engine and receiving a web page as a response;

10 (d2) adding a translation prefix before URLs that need said query words and a redirect prefix before other URLs in said web page, so as to form a new web page;

(e) performing the following steps in the event said removed prefix is a translation prefix;

15 (e1) translating said query words of user\_s native language in parameters of said URL into said query words of a dedicated language of said selected search

engine;

(e2) replacing said query words of user\_s native language in parameters of said URL with said query words of said dedicated language;

(e3) adding said redirect prefix before said URL;

5 (e4) generating a new web page, embedding said URL and a Script program in said web page, said Script program enabling a client which receives said new web page to perform a step of automatically sending another original query request based on said URL embedded in said web page;

(f) sending said new web page back to said user as a query result in relation to  
10 said original query request.

8. The method according to claim 7, wherein step (c) comprises the step of selecting said search engine designated by said URL as said selected search engine.

9. The method according to claim 8, wherein step (e1) comprises the steps of:

on the basis of said URL, retrieving said search engine template and matching  
15 said URL from a search engine template storage;

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translating said query words from native language into said query words of a dedicated language defined in said retrieved search engine.

10. The method according to claim 9, wherein said step (e1) further comprises the steps of:

5        searching a dedicated language corresponding to said URL from history records in said site based on said URL; in the event none of said search engine templates match said URL as retrieved from said search engine template storage;

      determining positions of said query word parameters by using linguistic characteristics of parameter values;

10        translating said query words of said native language at said positions into said query words of said dedicated language.

11. The method according to claim 7, wherein step (e) is

(e) performing following steps in the event said removed prefix is said translation prefix;

15        (e1) translating said query word of said user\_s native language in parameters of said URL into a plurality of said query words of said dedicated

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language of said selected search engine;

(e2) replacing said query word of user\_s native language in parameters of said URL with each of said plurality of query words of said dedicated language respectively and forming a plurality of URLs;

5 (e3) adding a redirect prefix before each of said plurality of URLs;

(e4) setting one of said plurality of URLs as a default URL;

(e5) generating a new web page, embedding said plurality of said URLs and a Script program in said web page, said Script program enabling said client which receives said new web page to perform steps of: displaying said plurality of query words of said dedicated language in hyper text format, and automatically  
10 sending another original query request based on said default URL embedded in said web page.

12. A system for providing native language query service for Internet users, comprising a plurality of search engines in the Internet, each search engine having a  
15 respective dedicated language, adapted for receiving query requests containing query words of said dedicated language and returning query results in relation to said query words, wherein said system utilizes a query translation server which comprises:





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a web page generation apparatus, for generating a new web page, embedding  
said URL and a Script program in said web page, and sending said new web page to said  
client interface, said Script program enabling a client which receives said new web page  
to perform a step of automatically sending another query request based on said URL  
5 embedded in said web page.

13. The system according to claim 12, wherein said query words of native  
language are speech query words.

14. A system for providing native language query service for database users,  
comprising a plurality of databases, each database having a respective dedicated  
10 language, adapted for receiving query requests containing query words of said dedicated  
language and returning query results in relation to said query words, wherein said system  
utilizes a query translation server which comprises:

a client interface, for receiving said query requests sent by clients and returning  
said query results to said client;

15 a query translation apparatus, for translating said query words of user's native  
language in said query requests received by said client interface into and replacing them  
with said query words of the dedicated language of the database;

a query result obtaining apparatus, for sending the translated said query requests to the databases designated by said query requests and obtaining said query results.

15. The system according to claim 14, wherein said query words of native language are speech query words.

5        ~~16.~~ A program storage device readable by machine, tangibly embodying a program of instructions executable by the machine to perform method steps for providing native language query service for Internet users by using a plurality of search engines in the Internet, each of said search engines having a respective dedicated language, adapted for receiving query requests containing query words of said dedicated language and  
10        returning query results in relation to said query words, said method comprising the steps of:

(a) receiving at a site an original of said query requests from one of said Internet users, said original query request containing said query words of native language of said user;

15        (b) selecting a suitable search engine from said plurality of search engines;

(c) translating said query words of native language into query words of dedicated language of said selected search engine;

(d) constructing a new query request directed to said selected search engine based on said original query request and said query words of dedicated language;

(e) sending said new query request to said selected search engine and receiving a returned query result;

5 (f) sending said query result back to said user as a query result in relation to said original query request.

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